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PATENT ABSTRACTS OF JAPAN
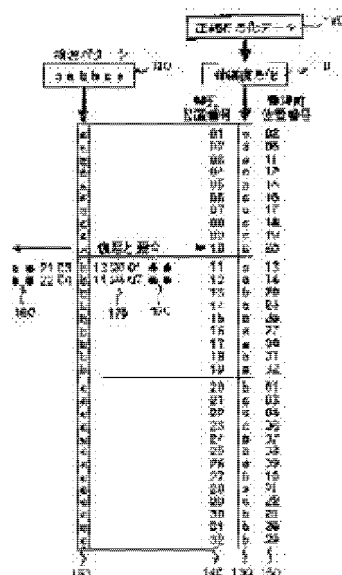
(54) METHOD FOR RETRIEVING BLOCK SORT COMPRESSED DATA AND ENCODING METHOD FOR BLOCK SORT COMPRESSION SUITABLE FOR RETRIEVAL

(57)Abstract:

PROBLEM TO BE SOLVED: To perform a high-speed retrieval by successively decoding and retrieving only required data even without decoding all encoded data concerning data compressed by a block sort compression method.

SOLUTION: Concerning data compressed by the block sort compression method, a pair of the alignment position number and the pre-alignment position number of a BW-converted column and columns aligned in a dictionary form is found. Then, collation with a retrieval data stream is performed while decoding the data on the basis of that pair. Decoding is applied only to a part required for retrieval. Besides, a pair of the alignment position number and the pre-alignment position number is directly encoded by the block sort compression method.